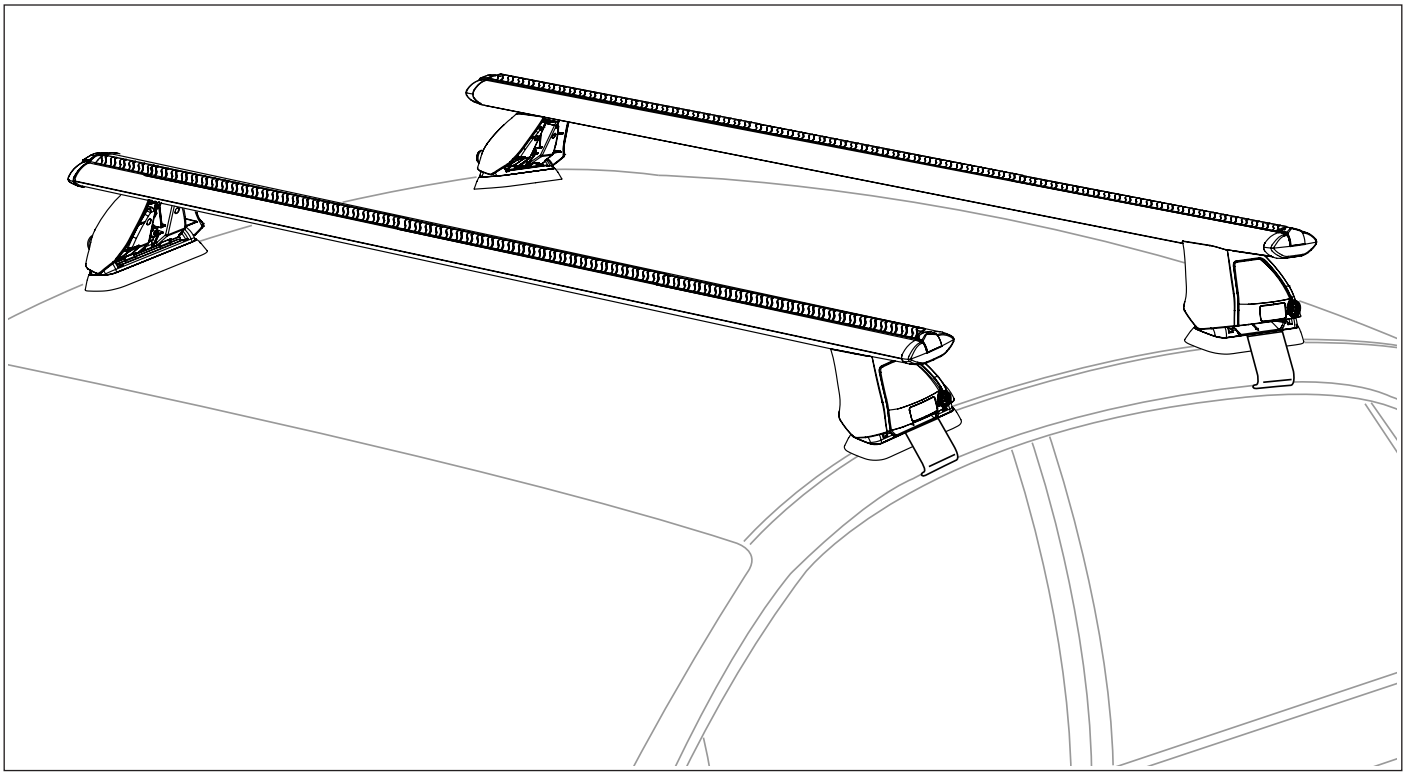
RHINO-RACK

Rhino 2500 Series

Important: Please refer to your fitting instruction to ensure that the roof racks are installed in the correct locations.
Check the contents of kit before commencing fitment and report any discrepancies.
Place these instructions in the vehicle's glove box after installation is complete.



Maximum carrying capacity: 75kg (165lbs) evenly distributed over crossbars. Please refer to your vehicle manufacturers handbook and DK Specification sheet for maximum roof loading. Always use the lower of the two figures.

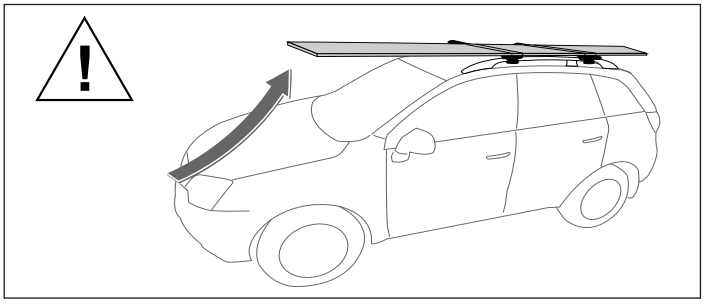
Recommendations:
It is essential that all bolt connections be checked after driving a short distance when you first install your crossbars. Bolt connections should be checked again at regular intervals (probably once a week is enough, depending on road conditions, usage, loads and distances travelled). You should also check the crossbars each time they are refitted. Make sure to fasten your load securely. Please ensure that all loads are evenly distributed and that the centre of gravity is kept as low as possible.
Use only non-stretch fastening ropes or straps.

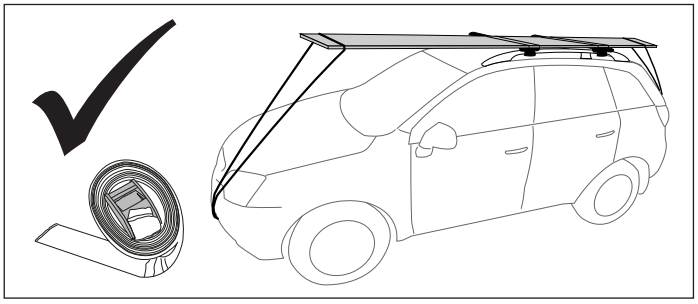
Load Ratings
When these roof racks are to be used on a vehicle that is driven off sealed roads, the manufacturer maximum roof load rating (to be found in the vehicles User Manual) should be **halved**. For example, if the vehicles maximum roof load rating is 70kgs (subtract 5kg = weight of crossbar and legs), these racks, when fitted to this vehicle should have no more than 35kgs loaded on them

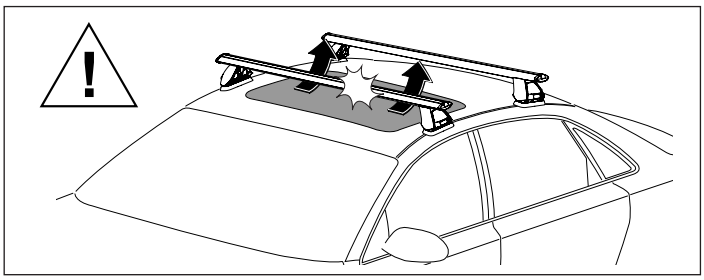
Caution:
The handling characteristics of the vehicle changes when you transport a load on the roof. For safety reasons we recommend you exercise extreme care when transporting wind-resistant loads. Special consideration must be taken into account when cornering and braking.**Please remove crossbars when putting vehicle through an automatic car wash.**

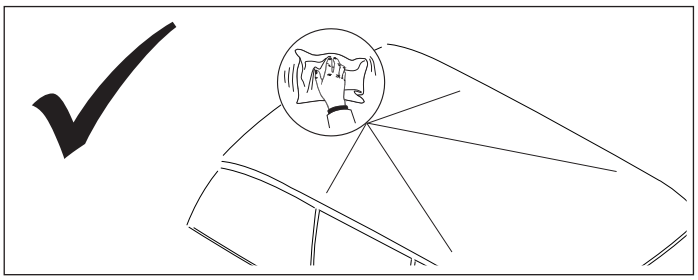
Note for Dealers and Fitters:
It is your responsibility to ensure instructions are given to the end user or client.

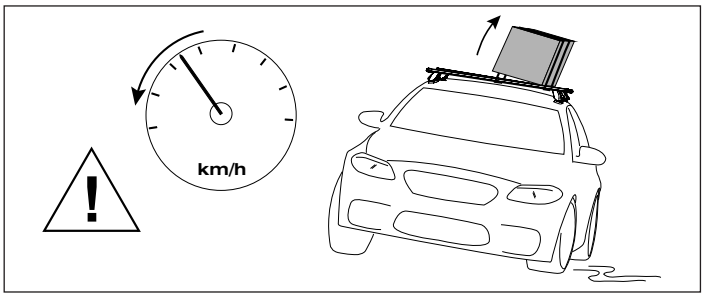
These instructions remain the property of Rhino-Rack Australia Pty. Ltd. and may not be used or changed for any other purpose than intended.

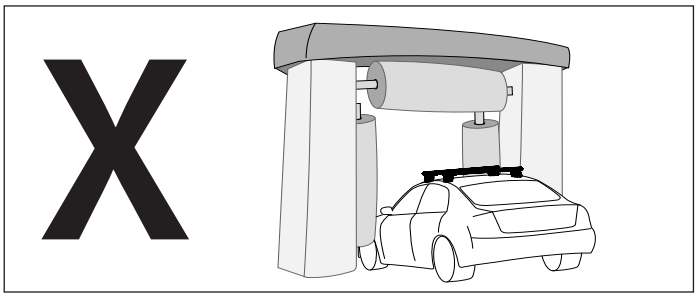




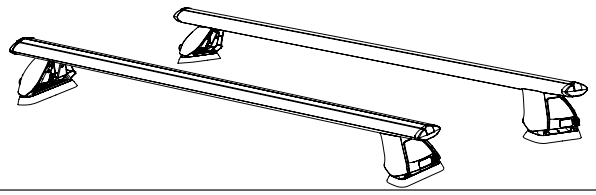




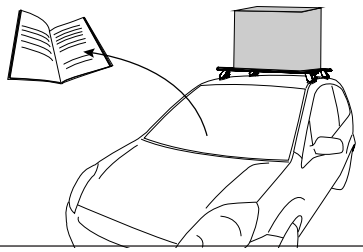




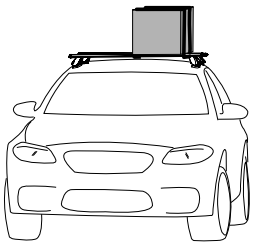
2 x Crossbars = 5kg/ 11lbs



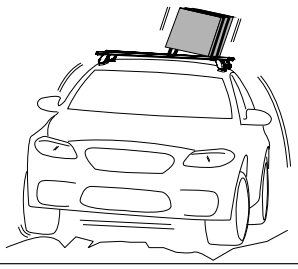
? kg/ lbs



When these roof racks are to be used on a vehicle that is driven off sealed roads, the manufacturer maximum roof load rating (to be found in the vehicles User Manual) should be ***halved***. Do not forget to subtract 5kg from your maximum carrying capacity due to the weight of the crossbars and legs.

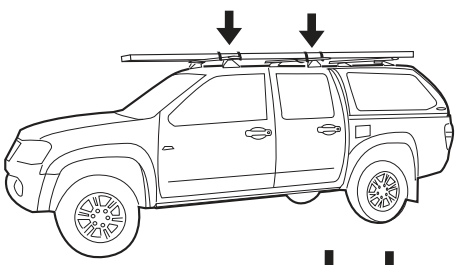


70kg load rating (Urban road)	=	***35 kg load rating*** (Off road - 70kg / 2)
154lbs load rating (Urban road)	=	***77lbs load rating*** (Off road - 154lbs / 2)

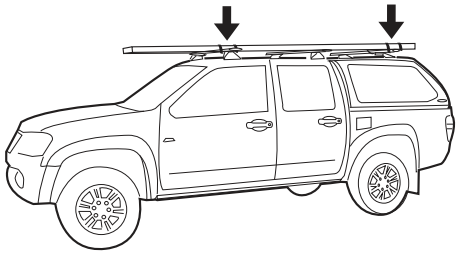


WARNING! Important Load Carrying Instructions

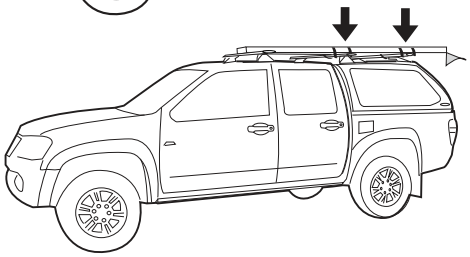
With utility vehicles, the cabin and the canopy move independently. Roofracks and vehicle can be damaged if the item transported is rigidly fixed at points on both the cabin and canopy. Instead, rigidly fix to either the cabin roofracks or the canopy roofracks.



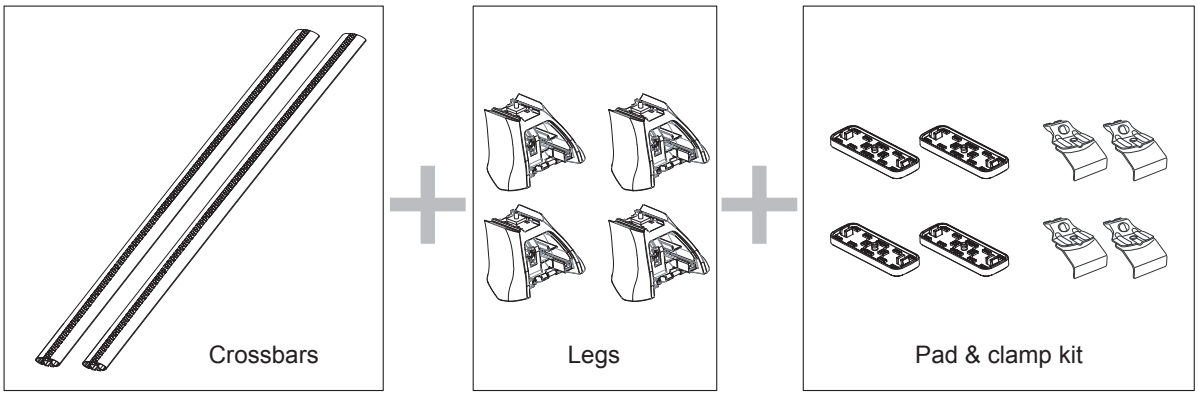
YES



NO

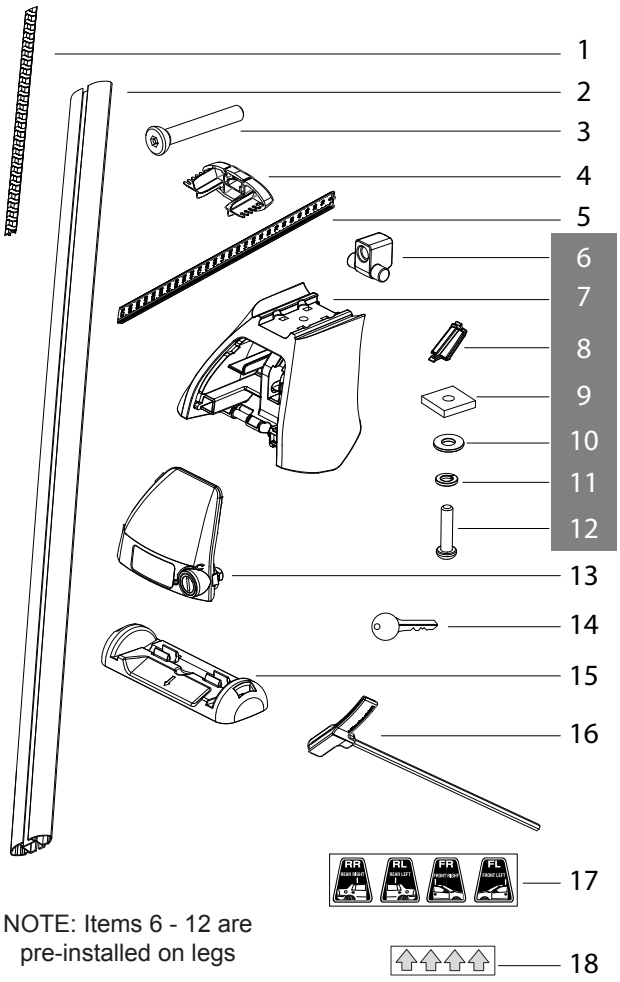


YES



Parts List

Item	Component Name	Qty	Part No.
1	Rubber Buffer Strip	varies	M626
2	Vortex Crossbar	2	-
3	M8 x 50mm Security Bolt	4	B154
4	End Cap	4	M645
5	Measurement Strip	4	M641
6	M8 Pivot Nut	4	N047
7	Leg	4	M310
8	Leg Cover Plate	4	M324
9	M6 Nut	4	N068
10	M6 Flat Washer	4	W003
11	M6 Spring Washer	4	W004
12	M6 x 20mm Security Screw	4	B062
13	Front Cover	4	M312
14	Front Cover Key	2	M314
15	Foot Plate	4	M311
16	Torque Key	1	Torkey-L
17	Location Decals	4	S365
18	Positioning Decals	4	S364
19	Fitting Instructions	1	2501



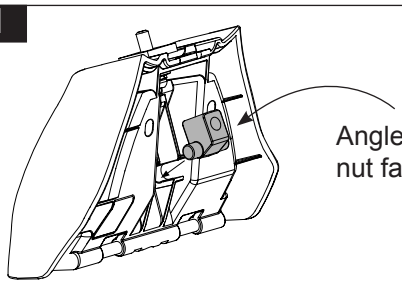
NOTE: Items 6 - 12 are pre-installed on legs

Tools Required:

Security Allen key, provided in kit.
Tape measure.
Scissors.

NOTE : Refer to the DK kit specification sheet for correct placement *(Front & Rear, Left & Right)* **of the foot plate, rubber pad and metal strap. Also refer for sizes to cut the bar measurement strips.**

1

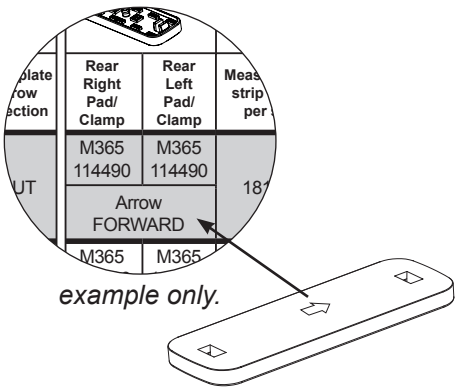


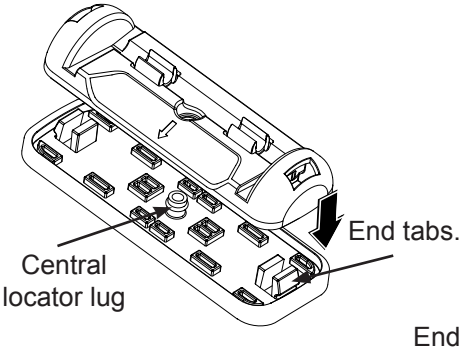
Angled face of pivot nut faces out.

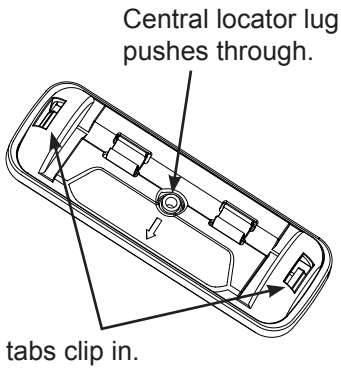
If the Pivot Nut is not attached to the leg, attach it as shown with the angled face of the nut facing outwards (as shown).

2 Attach pad to foot plate.

Clip rubber pad onto foot plate. Pad central locator lug and end tabs must fully locate into the foot plate.
Note: Certain rubber pad sets have a DK supplement sheet to show correct orientation.



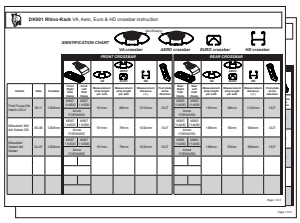


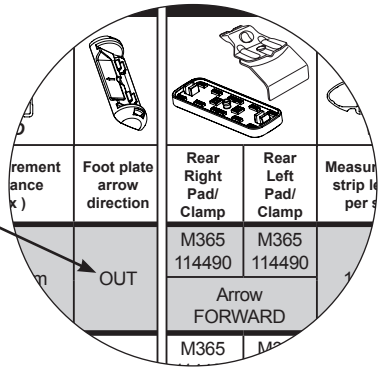


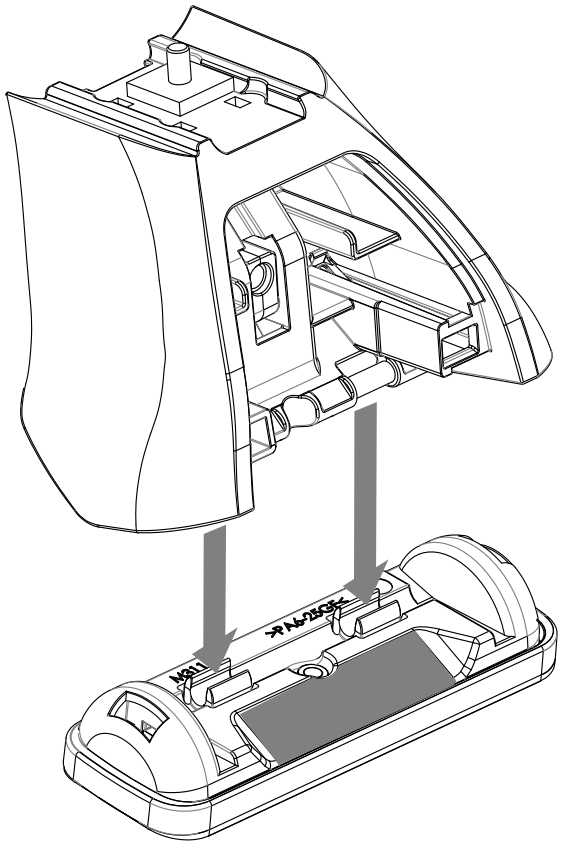
3 Attach foot plate to leg.

Clip foot plate onto base of the leg with the arrow facing **In** or **Out** according to your vehicle listed in the DK specification sheet.

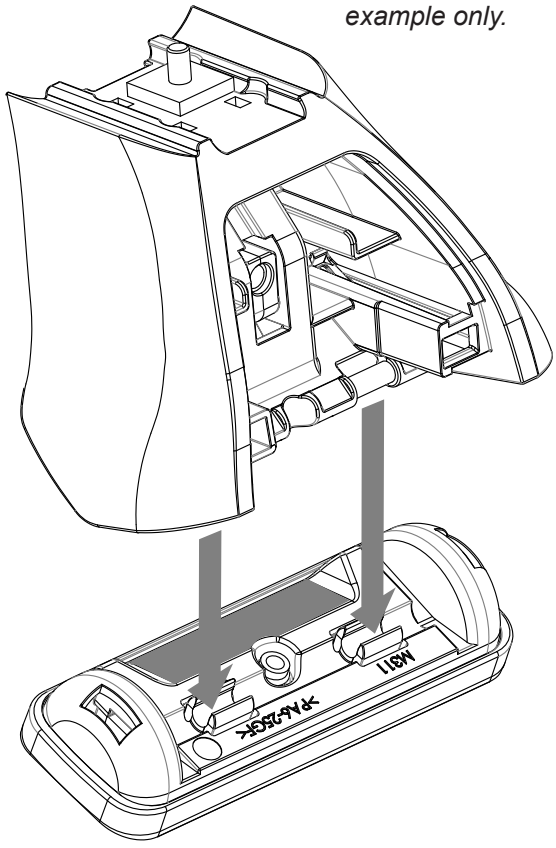
DK spec sheet.





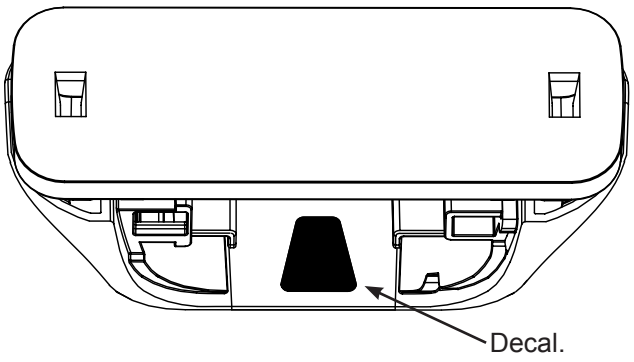


Attach foot plate to leg with arrow facing OUT



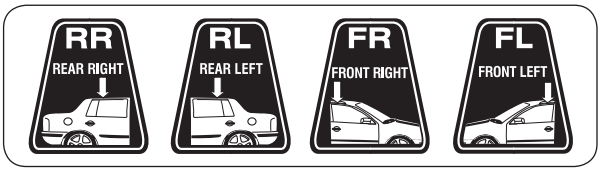
Attach foot plate to leg with arrow facing IN

4



Leg location decals:

Stick the leg position labels inside the leg. The labels identify the position of the leg on the vehicle roof. Use as a guide when re-fitting the crossbars after removal. Refer layout below.



5

Measurement strip length:

Refer to DK instruction for cut length of bar measurement strips.

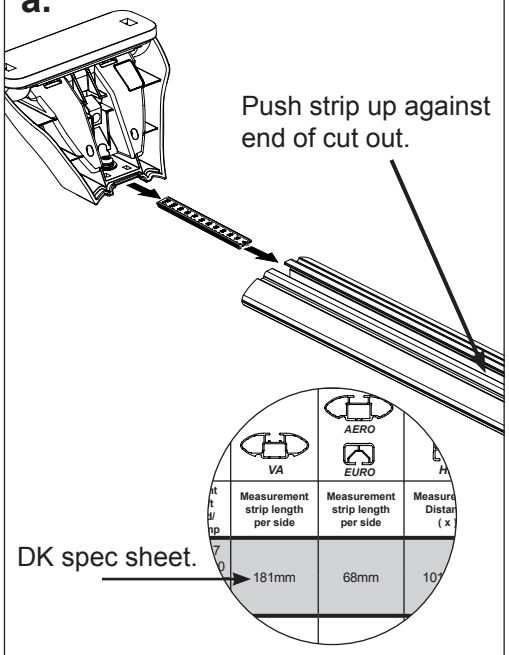
NOTE: front and rear bar generally have different lengths.

a. Accurately cut measurement strips to length. Slide into each end of crossbar. Repeat for front & rear crossbar.

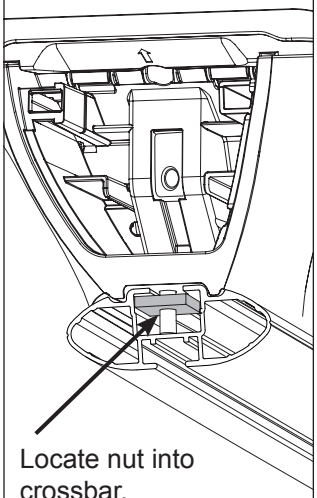
b. Locate M6 nut into the crossbar then slide leg in to butt up against the measurement strip.

c. The measurement strip must butt up against the end of the crossbar cut out. Tighten M6 security screw with the allen key provided. **Tighten to 3-4 Nm (2-3 lb/ft)**

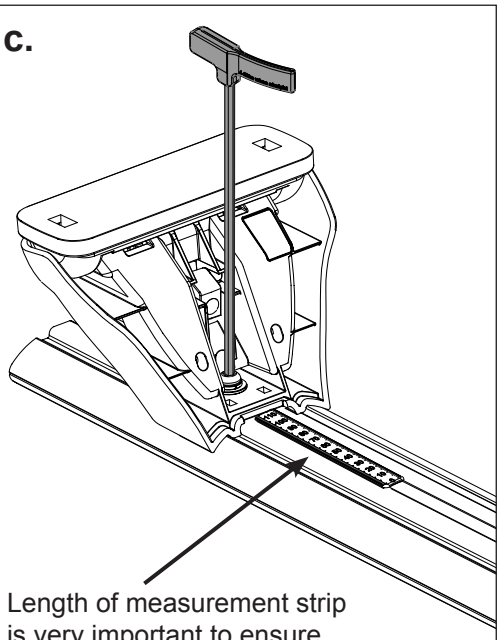
a.



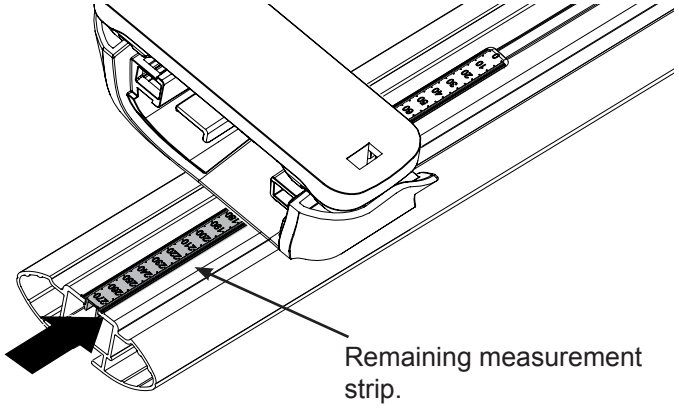
b.



c.



6

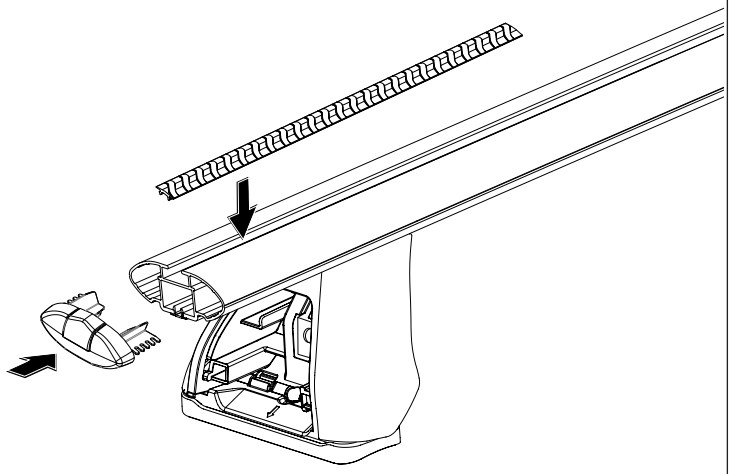


Remaining measurement strip:

Slide the remaining measurement strip that corresponds to the inside length into the end of the crossbar.

Repeat this for front and rear crossbars.

7



Buffer strip and end cap:

a. Insert rubber buffer strips into top of crossbar.
b. Insert end cap into end of crossbar.

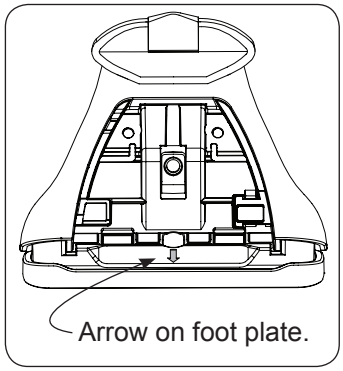
NOTE: Flap on end cap to top. This flap is used to access the T-slot accessory channel in the roof crossbars.

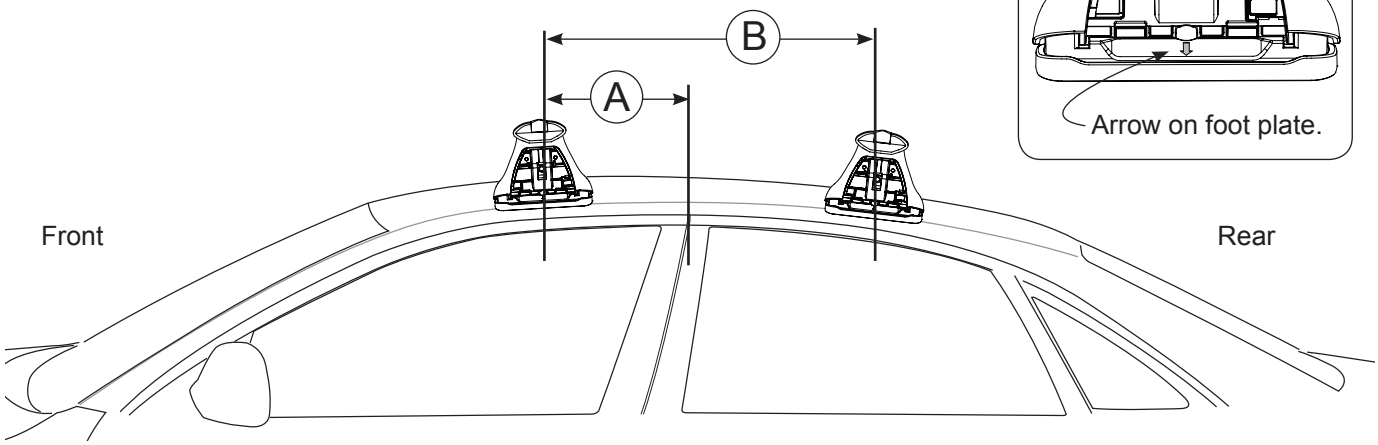
8

Position roof racks:

Place racks onto the vehicle roof.
Refer to DK specification sheet for correct positioning of your roof racks.
A. Measure forward from where the front and rear doors meet/close.
B. Measure back to set distance between crossbars.

A and B measurements are to be in line with arrow in centre of foot plate.

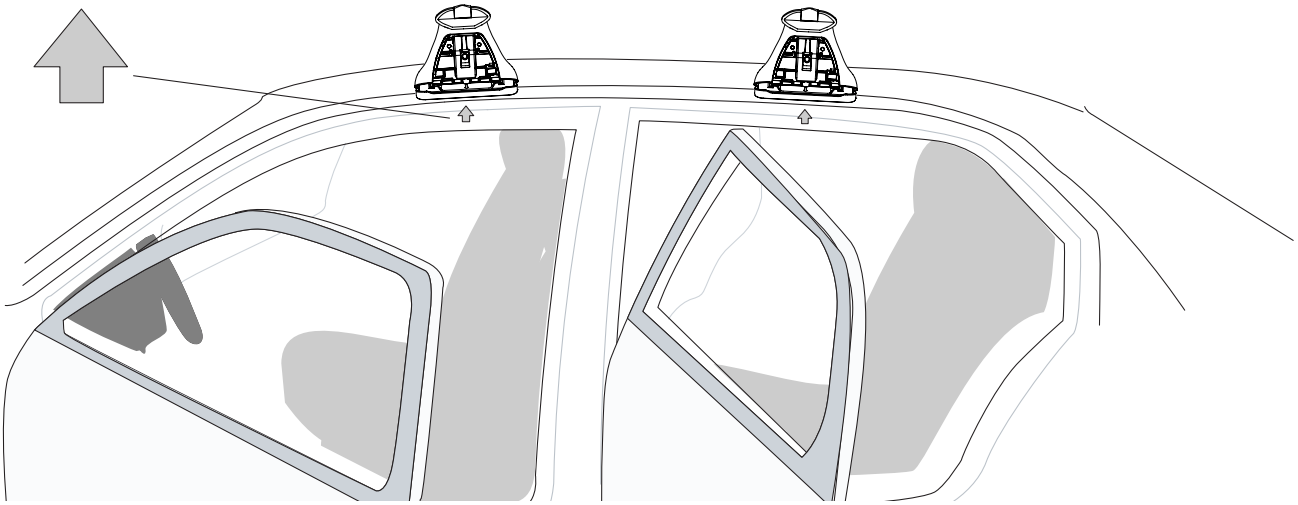




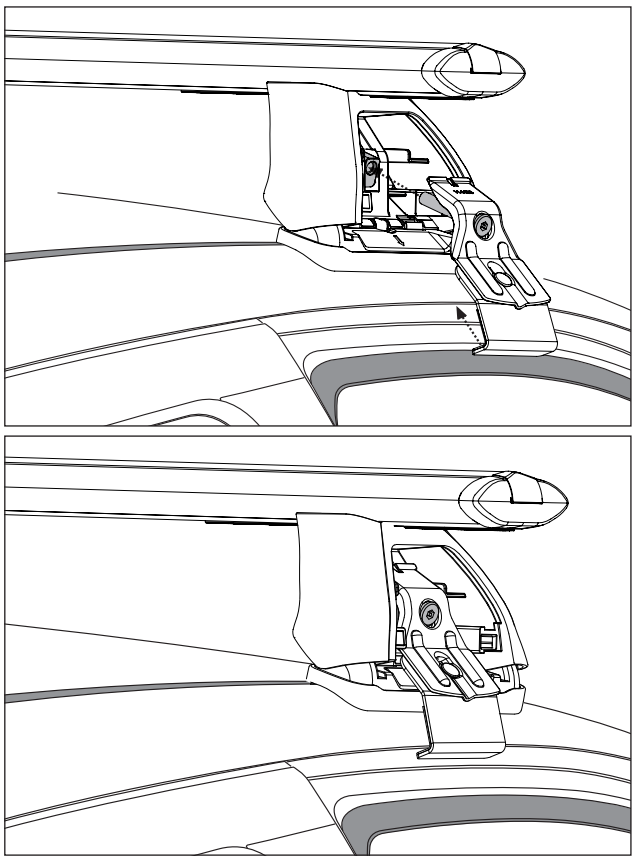
9

Positioning decals:

Stick the white arrow decals in line with foot plate arrows onto the body work inside the door jamb. This marks reference points for future use when racks are removed and then replaced.



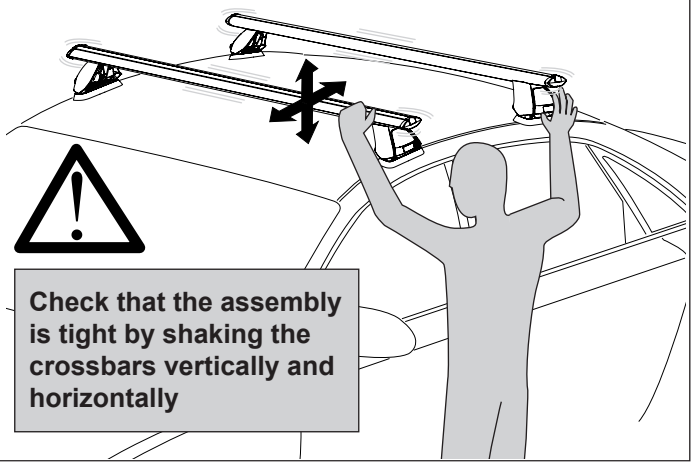
10



Attach clamps:
Hook the lower part of the metal clamp in at the top of the door jamb. Fasten M8 bolt to pivot nut.

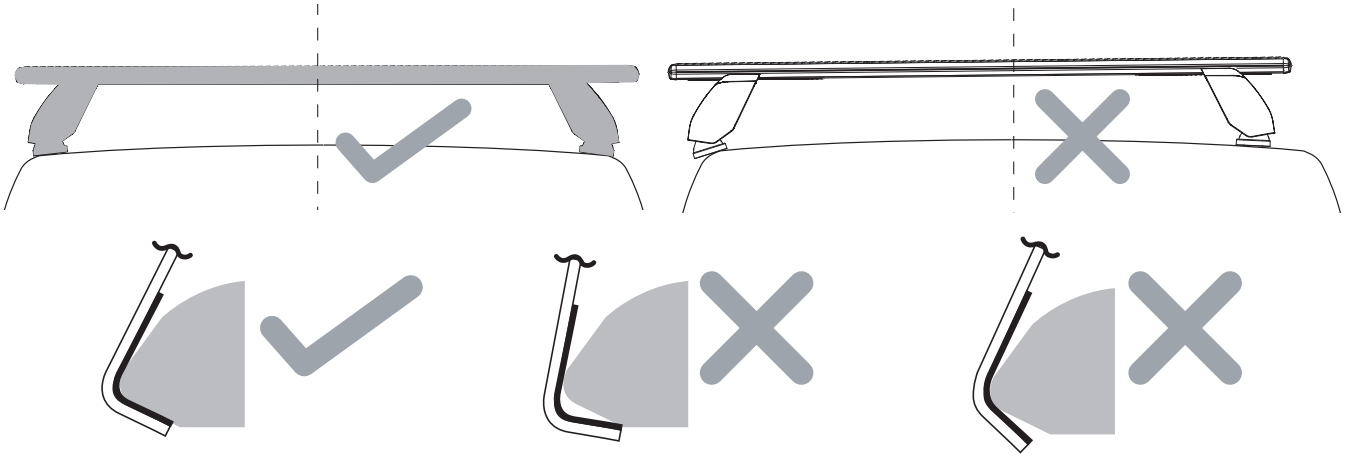
Bolts must be tensioned evenly each side of the vehicle to avoid pulling the rack to one side. Tighten to 4-5 Nm (35-44 lbf.in). DO NOT OVER TIGHTEN.

Refer to DK instruction for correct clamp and pad combination for front and rear of vehicle.

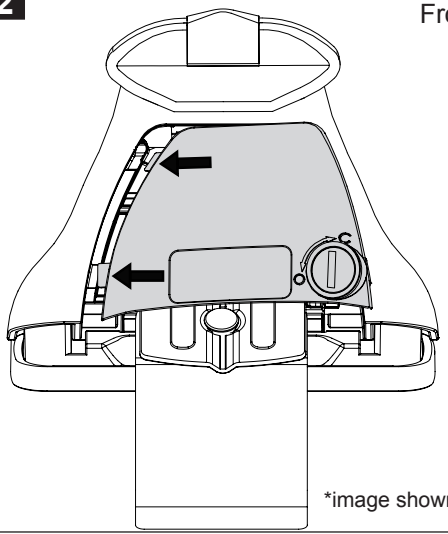


Check that the assembly is tight by shaking the crossbars vertically and horizontally

11 Visually inspect and ensure that the clamp is correctly seated against the body of the vehicle.



12



Front cover key

or

Plastic key

*image shown with metal keylock

Attach front cover.
Insert the two lugs on left side of front cover into the leg. Use key provided to turn lock barrel to the open position **(O)**. Engage locking tab into leg. Turn to close **(C)**.

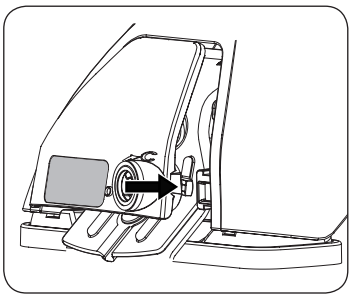


*image shown with plastic keylock